



M E S A E P

Mediterranean Scientific Association of Environmental Protection

FINAL PROGRAM

of the

13th International Symposium

on

Environmental Pollution and its Impact on Life in the Mediterranean Region

October 8-12, 2005

Thessaloniki - Greece

in collaboration with

European Commission Joint Research Centre, Institute for Health & Consumer Protection, Ispra •
Region of Central Macedonia • Prefecture of Thessaloniki • Municipality of Thessaloniki •
Organisation for the Master Plan & Environmental Protection of Thessaloniki • Council of Urban
Transport of Thessaloniki • Association of Local Authorities of Greater Thessaloniki • GSF - German
Research Centre for Environment and Health, Institute of Ecological Chemistry • Technical
University of Munich, Chair of Chemical Technical Analysis and Food Technology • Aristotle
University of Thessaloniki • General State Laboratory of Greece • Society of Ecotoxicology and
Environmental Safety • Balkan Environmental Association • Association of Greek Chemists •
Hellenic Association of Educators for the Environmental Education

under the auspices of

Hellenic Ministry of Environment, Planning and Public Works • Hellenic Ministry of Development •
Hellenic Ministry of Macedonia - Thrace

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THE SYMPOSIUM

The 13th International Symposium on “Environmental Pollution and its Impact on Life in the Mediterranean Region” is organised by the Mediterranean Scientific Association of Environmental Protection (MESAEP) in collaboration with other international and national institutions.

Previous symposia were held in Athens, Greece (1981), Crete, Greece (1983), Istanbul, Turkey (1985), Kavala, Greece (1987), Blanes, Spain (1989), Como, Italy (1991), Antibes, France (1993), Rhodes, Greece (1995), Sorrento, Italy (1997), Alicante, Spain (1999), Limassol, Cyprus (2001) and Antalya, Turkey (2003).

Especially the 13th Symposium will be held in parallel (same dates and different halls of the same location) with the 2nd Environmental Conference of Macedonia (Association of Greek Chemists, www.eex.gr).

The Executive Committee of MESAEP, the Steering and the National Organizing Committees have the pleasure to forward this invitation to attend the 13th International MESAEP Symposium that will be held in Thessaloniki, Greece, from October 8 to 12, 2005.

OBJECTIVES

The objectives of the symposium are to provide opportunities for scientists of different countries to:

- exchange recent results related to the processes of pollution in the Mediterranean region
- discuss current technological and legal measures to avoid or reduce the degradation of the environment
- present suggestions and recommendations to the regulatory authorities on environmental quality and safety in the Mediterranean and other neighbouring countries.

ORAL & POSTER PRESENTATIONS

The program of the symposium includes oral presentations as well as posters. Oral and poster contributions are regarded as scientifically equivalent in the program. Special focus is devoted to the brief presentation of posters of original papers in full audience sessions. All presentations (oral and posters) should be in English.

Oral presentation guidelines:

1. The time limit for all oral presentations is **15 minutes**
2. The **discussion** on all session presentations will be held at the end of each session during 15 minutes
3. **One method only** is possible for the oral presentations: Computer presentation using **Microsoft Power Point files**
4. The speakers will use our laptops with projector
5. The speakers should bring their presentation stored in a **CD ROM** or **Memory Flash** (not in a floppy diskette) in Microsoft Power Point files
6. The speakers should bring to the organizing committee their presentation file **15 minutes before** the beginning of their presentation session

Poster presentation guidelines:

1. The Symposium will supply poster boards. The **position of the poster** will be identified by the **poster number** appeared in the final program of the Symposium
2. The **total surface of the poster** must be strictly **90 cm x 90 cm**
3. For the preparation of the poster, remember that it must be readable from distances of 1 m to 1,5 m
4. The poster must be fixed on the board at **9.00** of its presentation day and removed at **20.30** of the same day
5. At least one author of the poster must be present **in front of the poster** during the specified time of the program for the discussion with interested persons
6. Also, at least one author of the poster must be present during the specified time of the program for the **poster discussion in full audience session**

PAPERS PUBLICATION

A book of abstracts will be distributed to all participants upon registration at the Symposium. All papers presented at the symposium will be eligible, upon refereeing, for publication in the peer-reviewed international journal FRESNIUS ENVIRONMENTAL BULLETIN (FEB), the official journal of MESAEP.

Authors are requested to submit manuscripts in electronic form and to send them directly as an e-mail attachment to PSP publishing: parlar@psp-parlar.de **not later than December 19, 2005.**

For the preparation of manuscripts please refer to www.psp-parlar.de

A minimum number of 25 offprints must be ordered and prepaid by the authors.

Members of MESAEP, SECOTOX, authors from developing countries and students get 50% off (except of the postage and handling fees).

Subscribers of FEB receive 25 offprints free of charge.

Supplementary information about the papers publication will be also given at the Symposium information desk in Thessaloniki.

SYMPOSIUM LOCATION

Thessaloniki is the capital of Macedonia and the second largest city in Greece following Athens, with a population over 1.000.000 inhabitants. It is a major commercial port with its own Universities, and a significant industrial, trade and business centre.

It was founded in 316 B.C. by Kassandros and named after his wife Thessaloniki, sister of Alexander the Great. During the Byzantine Empire, Thessaloniki became the second largest city after Constantinople, and important, illustrious, secular, ecclesiastical and monastic buildings were constructed within the city.

The Byzantine monuments, along with those from classical antiquity, Hellenistic years and the Roman period as well as those of Muslim and Jewish origin and even more recent architectural accomplishments, all bear testimony to the historically multi-cultural and cosmopolitan character of this Greek city.

Thessaloniki was freed from Ottoman rule in 1912 and since then follows a dynamic course which, particularly during the last few years, has ensured it plays a leading role in the development of the whole area.

The Symposium will be held in the historical building **“Apothiki Delta” of the Port of Thessaloniki**. The building “Apothiki Delta” has been renovated as Congress Hall in the framework of Thessaloniki Cultural Capital of Europe in 1997.

REGISTRATION FEES

MESAEP members	290 €
Non-members	390 €
Students*	170 €
Accompanying persons	170 €

* Student registration must be accompanied by a letter certifying student status from the university or department, where the student is registered.

The registration fee includes the final program, the book of abstracts, hospitality desk, coffee and refreshments during the symposium, welcome cocktail, Gala-dinner, social and cultural events and Certificate of participation (on request). Accompanying persons will be entitled to all the above reception and activities.

PAYMENT AND REGISTRATION INSTRUCTIONS

Registration fee payment can be made only cash at the registration desk of the symposium in Thessaloniki. Receipts of the payment will be issued by the MESAEP Secretariat at the symposium registration desk in Thessaloniki.

Registration time table

Saturday, Oct. 8th: 11:00-13:00 and 15:00-18:00

Sunday, Oct. 9th: 11:00-14:00 and 17:00-18:30

Monday, Oct. 10th: -

Tuesday, Oct. 11th: 10:00-13:00 and 17:00-18:30

Wednesday, Oct. 12th: 10:00-14:00.

ACCOMODATION

Rooms at favourable prices have been reserved in the centre of the city, near to the Symposium building "Apothiki Delta" of Thessaloniki Port. Symposium participants are requested to contact directly the hotels and reserve rooms using the code "MESAEP-EEX" as soon as possible and preferably before the end of July. Be informed that during October there are many international exhibitions in Thessaloniki and consequently there is not high availability of hotel rooms. For detailed information on hotels see the Hotels Info Table at www.mesaep.net

VISA

Visa is required from some countries. Please check the Greek Consulates or the official representatives of the Government of Greece in your country. No visa is required for citizens from the European Union and the most European Countries.

INFORMATION

Scientific and Local Information

Dr. Kostas Nikolaou, President of MESAEP

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Mr. Werner Bergheim, GSF-IOC, P.O. Box 1129, 85758 Neuherberg, Germany

Fax: +4989 31873371, E-mail: symp05@mesaep.net

Internet Website: www.mesaep.net

SYMPOSIUM TIME TABLE

Saturday, 8 Oct. 2005

11:00-13:00 & 15:00-18:00 Registration
18.30-21.30 Opening Ceremony
21.30 Welcome Cocktail

Sunday, 9 Oct. 2005

09.00 - 11.15 Session 1: Environment and health
11.15 – 11.45 Break and Posters Session
11.45 – 14.00 Session 2: Air pollution and control I
14.00 – 16.00 Break
16.00 – 17.30 Session 3: Air pollution and control II
17.30 – 18.00 Posters Session
18.00 – 18.30 Break and Posters Session
18.30 – 19.00 Posters discussion in full audience session
19.00 - 20.15 Session 4: Recent advances on European Commission policy & environmental themes
21.30 Official Dinner

Monday, 10 Oct. 2005

09.00 Excursion
19.00 General Assembly of MESAEP

Tuesday, 11 Oct. 2005

09.00 - 11.15 Session 5: Waste
11.15 – 11.45 Break and Posters Session
11.45 – 14.00 Session 6: Environmental management, planning and policy I
14.00 – 16.00 Break
16.00 – 17.30 Session 7: Environmental management, planning and policy II
17.30 – 18.00 Posters Session
18.00 – 18.30 Break and Posters Session
18.30 – 19.00 Posters discussion in full audience session
19.00 - 20.15 Session 8: Soil pollution and control

Wednesday, 12 Oct. 2005

09.00 - 11.15 Session 9: Natural ecosystems
11.15 – 11.45 Break and Posters Session
11.45 – 14.00 Session 10: Water pollution and control I
14.00 – 16.00 Break
16.00 – 17.30 Session 11: Water pollution and control II
17.30 – 18.00 Posters Session
18.00 – 18.30 Break and Posters Session
18.30 – 19.00 Posters discussion in full audience session
19.00 - 20.15 Session 12: Environmental education and awareness
20.15 – 21.00 Closing Ceremony

Saturday, Oct. 8th, 2005

11:00-13:00 & 15:00-18:00 **Registration**

18.30-21.30 **Opening Ceremony**

Chairpersons:

D. Kotzias, Director, Institute for Health and Consumer Protection, Joint Research Centre, European Commission
D. Kessissoglou, President of Association of Greek Chemists – C.W. Macedonia Reg. Dep.
K. Nikolaou, President of MESAEP
H. Parlar, Editor-in-Chief of Fresenius Environmental Bulletin

Invited Speakers:

G. Souflias, Minister of Environment, Planning and Public Works
N. Tsiartsionis, Minister of Macedonia Thrace
G. Salagoudis, Vice-Minister of Development
I. Tsoukalas, General Secretary of Research and Technology
G. Tsiotras, General Secretary of the Region of Central Macedonia
P. Psomiadis, Prefet of Thessaloniki
V. Papageorgopoulos, Mayor of Thessaloniki
S. Bairaktari, President of Organisation for the Master Plan and Environmental Protection of Thessaloniki
I. Zournas, President of Association of Local Authorities of Greater Thessaloniki
G. Toskas, President of Council of Urban Transport of Thessaloniki
C. Koutitas, President of Thessaloniki Port Authority
A. Yannakoudakis, President of Chemistry Dpt. of Aristotle University of Thessaloniki
G. Dimopoulos, President of Association of Greek Chemists

Invited Keynote Speaker:

S. Dimas, European Commissioner on Environment

21.30 **Welcome Cocktail**

Sunday, Oct. 9th, 2005

09.00 - 11.15 **Session 1: Environment and health**

Chairpersons: E. Lahaniatis, G. Vassilikiotis, P. Gramatica, D. Sponza

THE FUTURE EU CHEMICALS POLICY AND REACH: NEW DEVELOPMENTS IN TOOLS AND METHODS FOR CHEMICAL SAFETY ASSESSMENT

A. B. Payá Pérez, F. Christiansen, J. Tørsløv, M. Sobanska, H. Magaud, E. Van De-Plassche and J. De Bruijn (ITALY)

POLYCYCLIC AROMATIC HYDROCARBONS AND N-ALKANES IN THE MAINSTREAM CIGARETTE SMOKE OF COMMERCIAL CIGARETTE BRANDS

M. Kalaitzoglou and C. Samara (GREECE)

ORGANOTIN BIOCIDES IN ANTIFOULING PAINTS AS ECOTOXICANTS

L. M. Shafran, G. F. Burlak, A. M. Tretjakov and T. K. Korolenko (UKRAINE)

THE EFFECT OF ARSENIC, CADMIUM AND MANGANESE IN DRINKING WATER ON HEALTH. THE CASE OF THE AREA OF THESSALONIKI, GREECE

C. Doulgeris, N. Papadakis, P. Tsooubaris, L. Kovatsi and H. Tsoukali (GREECE)

REMEDIAL MEASURES FOR THE SAFE MANAGEMENT OF THE HEALTH-CARE WASTES IN İSTANBUL

G. Kocasoy, B. A. Zeren and M. Kılıç (TURKEY)

SIMULTANEOUS TOXICITY AND NUTRIENT REMOVALS IN SIMULATED DEPHANOX (ANAEROBIC/ANOXIC/OXIC SEQUENTIALS) PROCESS TREATING ANTIBIOTIC

D. T. Sponza and H. Atalay (TURKEY)

DEGRADATION OF CREOSOTE BY PLEUROTUS OSTREATUS MYCELIUM

E. Galli, P. Rapanà, U. Tomati, C. M. Polcaro, E. Brancaloni and M. Frattoni (ITALY)

SOCIO-ECONOMIC ASSESSMENT IN THE FRAME OF THE EU "REACH" LEGISLATION

S. Pakalin (ITALY)

11.15 – 11.45 **Break and Posters Session**

11.45 – 14.00 **Session 2: Air pollution and control I**

Chairpersons: G. Pilidis, P. Foster, G. Pfister, J. Bartzis

DESCRIPTION OF THE SPECIFIC CONDITIONS THAT LEAD TO HIGH LEVELS OF BTX COMPOUNDS IN A MEDIUM SIZED CITY OF NORTH-WESTERN GREECE

G. A. Pilidis, S. P. Karakitsios and P. A. Kassomenos (GREECE)

TRAFFIC-RELATED AIR POLLUTION MEASUREMENTS IN TWO STREETS WITH DIFFERENT GEOMETRY IN ATHENS GREECE

Th. Maggos, J.G. Bartzis, D. Kotzias, Ch. Vasilakos, Ch. Agriodimas, J. Michopoulos, O. Geiss and C. Helmis (ITALY - GREECE)

INDOOR VOLATILE AND SEMI VOLATILE ORGANIC COMPOUND EMISSIONS FROM WOOD COMBUSTION IN FIREPLACE

A. Rouvière and P. Baussand (FRANCE)

Final Program

VERTICAL DISTRIBUTION OF CARBONACEOUS MATERIAL IN URBAN ATMOSPHERE

M. Manigrasso and P. Avino (ITALY)

DISTRIBUTION OF ORGANIC COMPOUNDS IN SPAIN: RESULTS OF TWO YEARS IN TWO DIFFERENT AREAS

M. T. Bomboi, R. Fernández Patier, A. Pérez, S. García Dos Santos, A. Díaz, A. Aguirre, J. Alonso, L. Crespo, F. Ballester, A. Espulgues and M. Andreu (SPAIN)

FLUE GAS DESULPHURIZATION BY ELECTROCHEMICAL ABSORPTION

U. Tezcan Un, A. S. Koparal and B. Ogutveren (TURKEY)

A FIELD STUDY ON THE ORIGINS OF SURFACE OZONE AT THE PERIPHERY OF THE URBAN AREA OF ATHENS

P. D. Kalabokas, C.C. Repapis and H. Mantis (GREECE)

FORECASTING OZONE LEVELS IN AN URBAN AREA, USING METEOROLOGICAL & POLLUTION DATA

D. K. Papanastasiou and D. Melas (GREECE)

14.00 – 16.00 **Break**

16.00 – 17.30 **Session 3: Air pollution and control II**

Chairpersons: B. Topkaya, H. Demirel, C. Samara, M. Petrakakis

A NOVEL APPROACH FOR DETERMINING THE IMPACTS OF TRANSPORTATION INFRASTRUCTURES ON AIR QUALITY

H. Demirel (TURKEY)

BIOGENIC EMISSIONS DURING A HOT SEASON DAY IN GREECE

C. Sidiropoulos and G. Tsilingiridis (GREECE)

GAS/PARTICLE PARTITIONING OF HALOACETIC ACIDS IN AN URBAN AREA

J. B. Spiliopoulos, E. B. Bakeas and P. A. Siskos (GREECE)

FOUR-STROKE DIESEL ENGINES RUN ON VEGETABLE OIL MIXTURES-PERFORMANCE AND ENVIRONMENTAL EFFECTS

D. Savidis, V. Grammatikis, J. Triandafyllis, F. Vosniakos, N. Zoumakis and A. Kelesis (GREECE)

HIGH PRECISION MEASUREMENT OF FINE AND ULTRA-FINE AIRBORNE PARTICLES USING SATELLITE DATA

A. Gotti and D. A. Sarigiannis (ITALY)

17.30 – 18.00 **Posters Session**

18.00 – 18.30 **Break and Posters Session**

18.30 – 19.00 **Posters discussion in full audience session**

19.00 - 20.15 **Session 4 (Round Table): Recent advances on European Commission policy and environmental themes**

Coordinator: N. Moussiopoulos

INTEGRATED PRODUCT POLICY. BUILDING ON ENVIRONMENTAL LIFE-CYCLE THINKING
N. Moussiopoulos (GREECE)

ENVIRONMENTAL RESEARCH POLICY THROUGH THE EC FRAMEWORK PROGRAMMES
G. T. Amanatidis (BELGIUM)

THE COMMISSION'S ENVIRONMENT AND HEALTH ACTION PLAN
D. Kotzias (ITALY)

TOWARDS INTEGRATED HEALTH RISK ASSESSMENT OF CHEMICALS
D. Sarigiannis (ITALY)

RECENT ADVANCES ON EU RESEARCH POLICY
C. Vasilakos (BELGIUM)

21.30 **Official Dinner**

POSTERS SESSION

Chairpersons: D. Sarigiannis, M. Lahaniatis, C. Vasilakos, G. Kocasoy

Environment and health

- S1. GLOBAL CONSUMER EXPOSURE MODELLING NETWORK – SYNTHESIS OF THE OUTCOME OF RECENT ACTIVITIES AND FUTURE DEVELOPMENTS
S. Kephelopoulos and A. Arvanitis (ITALY)
- S2. APPLICATION OF MATRIX SOLID PHASE DISPERSION METHOD FOR THE EXTRACTION OF PESTICIDE RESIDUES FROM WINES AND BEERS IN COMBINATION WITH GAS CHROMATOGRAPHY-ELECTRON CAPTURE DETECTION
V. Valsamaki, V. Sakkas and T. Albanis (GREECE)
- S3. DEVELOPMENT AND APPLICATION OF A MULTIRESIDUE METHOD FOR THE DETERMINATION OF DIFFERENT PESTICIDES IN OLIVE OIL
E. G. Amvrazi and T. A. Albanis (GREECE)
- S4. QUALITY OF DRINKING WATERS IN PREFECTURE OF THESSALONIKI GREECE
N. Papadakis, P. Tsoumbaris and C. Doulgeris (GREECE)
- S5. TEMPORAL EVOLUTION OF THE STATUS OF THE WATER SUPPLY AND SEWERAGE SYSTEMS IN NORTHERN GREECE DURING 1988-2004
N. Papadakis (GREECE)
- S6. INVESTIGATION OF NATURAL RADIOACTIVITY CONCENTRATION IN BUILDING MATERIALS AND THE IMPACT TO HUMAN HEALTH
F. Vosniakos, K. Zavlaris and T. Papaliagas (GREECE)

- S7. MONITORING HEAVY METALS IN THREE REGIONS OF ITALY USING MOSSES AND SOILS AS INDICATORS: A MULTIVARIATE AND GIS APPROACH
P. Gramatica, E. Giani, E. Papa, D. Preatoni, R. J. A. Jones, L. Musmeci and R. M. Cenci (ITALY)
- S8. ORGANIC POLLUTANT UPTAKE AND BIOCONCENTRATION IN VEGETATION
P. Gramatica, E. Papa and E. Giani (ITALY)
- S9. DEVELOPMENT AND STATISTICAL VALIDATION OF QSAR MODELS FOR REGULATORY ACCEPTANCE IN MANAGING THE CHEMICAL RISK: BCF and KOC
P. Gramatica, E. Giani and E. Papa (ITALY)
- S10. QSAR MODELS FOR THE ACUTE TOXICITY OF HETEROGENEOUS CHEMICALS IN VIBRIO FISCHERI
E. Papa, M. Cronin and P. Gramatica (ITALY – U.K.)
- S11. QSAR MODELLING OF PAH MUTAGENICITY BY CLASSIFICATION METHODS BASED ON THEORETICAL MOLECULAR DESCRIPTORS
P. Gramatica, R. Marotta, E. Papa, L. Minuti, G. Morozzi and A. Taticchi (ITALY)
- S12. ALTERED EXPRESSION OF PROTHYMOSIN ALPHA GENES IN EARLY ZEBRAFISH EMBRYOS EXPOSED TO DELTAMETHRIN
F. Aniello, M. Lancieri, D. Esposito and L. Gaudio (ITALY)
- S13. RECYCLING OF TSE CONTAMINATED ANIMAL MEALS: PRELIMINARY RESULTS ON SORPTION OF THE TSE INFECTIVE AGENT IN MEDITERRANEAN SOILS
L. Leita, M. De Nobili, A. Bertoli, S. Genovesi, C. Sorgato and P. Sequi (ITALY)
- S14. EFFECTS OF THE XENOESTROGEN, 4-NONYLPHENOL, AND THE ORGANOPHOSPHORUS PESTICIDE, CHLORPYRIFOS, ON ACETYLCHOLINESTERASE ACTIVITY IN THE CLAM TAPES PHILIPPINARUM
V. Matozzo and M. G. Marin (ITALY)
- S15. DETECTION OF DNA DAMAGE BY GENOTOXIC SUBSTANCES: COMPARATIVE INVESTIGATION WITH COMET ASSAY, MICRONUCLEUS TEST AND DNA BIOSENSOR
E. Sturchio, P. Boccia, S. Marconi, G. Bagni, S. Hernandez and M. Mascini (ITALY – ARGENTINA)
- S16. ANGUILLA ANGUILLA L. ANTIOXIDANT RESPONSES TO GENOTOXICITY AND PEROXIDATIVE DAMAGE FOLLOWING CHROMIUM EXPOSURES WITH OR WITHOUT β -NAPHTHOFLAVONE PRE-EXPOSURE
I. Ahmad, V. L. Maria, M. Oliveira and M. A. Santos (PORTUGAL)
- S17. LIVER GENOTOXIC EFFECTS AND OXIDATIVE STRESS AFTER ANGUILLA ANGUILLA L. EXPOSURE TO COPPER – THE INFLUENCE OF PRE-EXPOSURE TO A PAH-LIKE COMPOUND
C. Gravato, M. Oliveira, M. Teles and M. A. Santo (PORTUGAL)
- S18. GENOTOXIC AND OXIDATIVE STRESS RESPONSES OF BLOOD CELLS FROM ANGUILLA ANGUILLA L. EXPOSED TO CHROMIUM – THE INFLUENCE OF PRE-EXPOSURE TO A PAH-LIKE COMPOUND
C. Gravato, M. Oliveira, M. Teles and M. A. Santos (PORTUGAL)
- S19. LIVER GENOTOXIC EFFECTS AND OXIDATIVE STRESS AFTER ANGUILLA ANGUILLA L. EXPOSURE TO CHROMIUM – THE INFLUENCE OF PRE-EXPOSURE TO A PAH-LIKE COMPOUND
C. Gravato, M. Oliveira, M. Teles and M. A. Santos (PORTUGAL)
- S20. ANGUILLA ANGUILLA L. GENOTOXIC RESPONSES AFTER EXPOSURE TO PATEIRA DE FERMENTELOS FRESHWATERS
V. L. Maria, M. Pacheco and M. A. Santos (PORTUGAL)
- S21. GENOTOXIC AND LIVER BIOTRANSFORMATION RESPONSES IN ANGUILLA ANGUILLA L. AFTER EXPOSURE TO DEHYDROABIETIC ACID
V. L. Maria, A. C. Correia and M. A. Santos (PORTUGAL)

- S22. ABIETIC, DEHYDROABIETIC ACIDS AND RETENE IN VITRO EFFECTS ON ANGUILLA ANGUILLA L. LIVER MICROSOMAL EROD ACTIVITY
M. A. Santos and V. L. Maria (PORTUGAL)
- S23. BIOTRANSFORMATION, PHYSIOLOGICAL AND GENOTOXIC RESPONSES OF ANGUILLA ANGUILLA L. CAGED IN PATEIRA DE FERMENTELOS (PORTUGAL) – A STRATEGY FOR FRESHWATER-WETLAND POLLUTION BIOMONITORING
M. Teles, M., Pacheco and M. A. Santos (PORTUGAL)
- S24. 17 β -ESTRADIOL EFFECTS ON BIOTRANSFORMATION, STRESS AND GENOTOXIC RESPONSES IN JUVENILE *Dicentrarchus labrax* L
M. Teles, M., Pacheco and M. A. Santos (PORTUGAL)
- S25. TOXICITY EFFECTS OF ACTIVE AND PASSIVE SMOKING ON SEDENTARY MALE UNIVERSITY STUDENTS AGED 18 – 25 IN A MEDITERRANEAN COUNTRY
A. Atimtay, B. Sözeri, Ö. Altun, M. Tüzün and F. Korkusuz (TURKEY)
- S26. A NEW APPROACH IN DETECTING IN VIVO AND IN VITRO DNA DAMAGE: DNA RESTORATION VIA RESTORASE ENZYME
I. Uzonur, F. Abasiyanik, H. Ocba, H. Alindirmaz, M. Emin Kanpak, B. A. Aydın, A. Sirkeci, N. Durgun, M. Kara and M. Petek (TURKEY)
- S27. INFLUENCE OF OZONATION COAGULATION ON THE TOXICITY OF PESTICIDE USING BIOTOXTM
I. Talinli and A. Ongen (TURKEY)
- S28. DETERMINATION OF HAZARDOUS WASTES FROM FOUNDRY: TOXIC CRITERION WITH THE BIOTOXTM TEST
I. Talinli, E. Aydın and R. Yamanturk (TURKEY)
- S29. THALLIUM AS A TOXICANT: DEGREE OF A DANGER
D. Bolshoy and E. Pykhteeva (UKRAINE)
- S30. OCCUPATIONAL CONSEQUENCES OF HEAVY METALS EXPOSURE: CASE STUDY OF ACCUMULATOR FACTORY
T. Korolenko and K. Kozlov (UKRAINE)
- S31. ECOTOXICOLOGICAL ASPECTS OF POLYMERS COMBUSTION
D. P. Timoshina, I. A. Charchenko, D. I. Leonova, J. V. Nechoroshkova and L. M. Shafran (UKRAINE)
- S32. STRESS HORMONES IN FISH EXPOSED TO ENDOCRINE DISRUPTORS
A. Stocker, W. Jaser, A. Schulz, L. Hollosi, G. Pfister, A. Kettrup, K.-W. Schramm (GERMANY)
- S33. CADMIUM CONCENTRATION IN MEN'S URINE RELATED TO SMOKING
M. H. Mehrabani, A. Esmaili Sari, A. Riahi Bakhtiari (IRAN)
- S34. AN INFORMATION MANAGEMENT SYSTEM FOR HOSPITAL WASTES
P. Mentzelou, F. Vosniakos, K. Nikolaou, N. Papadakis and D. Bechtsis (GREECE)
- S35. SUSTAINABLE MANAGEMENT OF HOSPITAL WASTES
D. Theofanidis, A. Fountouki, F. Vosniakos, N. Papadakis and K. Nikolaou (GREECE)
- S36. UREA HYDROLYSIS IN ANTHROPOGENIC NUTRIENT SOLUTION
O. Tünay, I. Kabdasli, S. Hüskeletal and M. B. Tatli (TURKEY)
- S37. THE SOLID WASTES AFTER MARMARA EARTHQUAKE AND ITS ENVIRONMENTAL IMPACT
B. Sunbul, H. Arman, F. Sunbul and O. H. Dede (TURKEY)
- S38. HEALTH CARE WASTE MANAGEMENT IN THE AKDENIZ UNIVERSITY HOSPITAL
H. Taskinsoy, T. Ozden and B. Topkaya (TURKEY)

- S39. EVALUATION OF ISO 8192 INHIBITION TEST METHOD
D. Orhon, S. Ozdemir, Ö. Karahan and E. Ubay Cokgor (TURKEY)
- S40. EFFECT OF SUBSTRATE TYPE ON INHIBITION TEST
E. U. Cokgor, S. Ozdemir, O. Karahan and D. Orhon (TURKEY)
- S41. MICROBIOLOGICAL AND PHYSICAL PROPERTIES OF WASTEWATER TREATMENT PLANT SLUDGES
V. Yilmaz and G. T. Icemer (TURKEY)

Air and noise pollution and control

- S42. PARTICULATE MATTER AND SO₂ LEVELS IN TWO DIFFERENT URBAN AREAS: ROME (ITALY) AND ISFAHAN (IRAN)
K. Movassaghi and P. Avino (IRAN – ITALY)
- S43. LASER LIGHT SHEET VISUALISATION EXPERIMENTS OF FLOW AND DISPERSION IN AND AROUND THE PICADA FIELD SITE IN A BOUNDARY LAYER WIND TUNNEL
P. Barmpas, B. Leidl, N. Moussiopoulos and M. Schatzmann (GREECE – GERMANY)
- S44. AIRBORNE PARTICULATE MATTER IN GREECE. PHYSICAL AND CHEMICAL CHARACTERISTICS
C. Petaloti, T. Maggos and J. G. Bartzis (GREECE)
- S45. THE ROLE OF ENVIRONMENT IN TRAFFIC MANAGEMENT STUDIES: NEED FOR A NEW APPROACH
S. Basbas, P. Papaioannou and A. Kokkalis (GREECE)
- S46. A PROTOTYRE FOR THE SHORT-TERM FORECAST OF URBAN OZONE EPISODES
S. Hadjileontiadou and A. Stathopoulos (GREECE)
- S47. CHARACTERIZATION OF AIRBORNE PARTICLES COLLECTED IN THE VICINITY OF A LIGNITE MINING AND BURNING AREA OF NORTHERN GREECE
A. Iordanidis, J. Buckman, AG. Triantafyllou and A. Asvesta (GREECE – U.K.)
- S48. A STUDY ON THE CHARACTERISTIC VARIATIONS OF PM₁₀ ATMOSPHERIC CONCENTRATIONS IN ATHENS
P. D. Kalabokas, A. D. Adamopoulos, G. Chronopoulos,, L. G. Viras and C. C. Repapis (GREECE)
- S49. MINIMUM SO₂ ELECTRICITY SECTOR PRODUCTION USING THE MOST ENVIRONMENTAL FRIENDLY POWER STATIONS IN GREECE
J. K. Kaldellis, G. C. Spyropoulos, K. J. Chalvatzis and A. G. Paliatsos (GREECE)
- S50. STATISTICAL FEATURES OF AIR QUALITY IN THESSALONIKI - GREECE
S. Karathanasis, P. Baltzopoulou, D. Melas, E. Touloumi, A. Vavatzanidis, E. Efthimiadis and D. Papanastasiou (GREECE)
- S51. PM_{2.5} CONCENTRATION LEVELS IN URBAN THESSALONIKI
A. G. Kelessis, M. J. Petrakakis, P. N. Tzoumaka, M. A. Tsougas, G. A. Tzourelis and N. M. Zoumakis (GREECE)
- S52. THE EFFECT OF WEATHER TYPES ON THE FREQUENCY OF CHILDHOOD ASTHMA ADMISSIONS IN ATHENS, GREECE
P. T. Nastos, A. G. Paliatsos, K. N. Priftis, J. K. Kaldellis, P. Panagiotopoulou-Gartagani, P. Tapratzi-Potamianou, A. Zachariadi-Xypolita, K. Kotsonis, K. Kassiou and P. Saxoni-Papageorgiou (GREECE)
- S53. AIR POLLUTION FROM DISTRICT HEATING UNITS OPERATING WITH PULVERIZED DRY LIGNITE
E. Tsikardani, K. Nikolaou and D. Pekopoulos (GREECE)
- S54. AIR POLLUTANT DISPERSION CONDITIONS AROUND THE GAS STATIONS IN THESSALONIKI
E. Golsouzidou, E. Karafergia, C. Moumou, F. Bikou, A. Tzekou and K. Nikolaou (GREECE)

- S55. ENVIRONMENTAL ASSESSMENT OF THE NATURAL GAS USE IN THE GREATER AREA OF THESSALONIKI
S. Basakis and K. Nikolaou (GREECE)
- S56. ASSESSMENT OF THE AIR QUALITY INFLUENCE ON THE HOUSE MARKET VALUES IN THESSALONIKI
N. Lemoni and K. Nikolaou (GREECE)
- S57. URBAN NOISE MONITORING IN THESSALONIKI
E. Tzekakis, K. Nikolaou and V. Vasiliadis (GREECE)
- S58. URBAN PLANNING INFLUENCE ON NOISE LEVELS IN THE CITY OF SERRES
A. Marinaki and K. Nikolaou (GREECE)
- S59. EFFECT OF SURFACE OZONE EXPOSURE ON VEGETATION IN THE RURAL AREA OF ALIARTOS, GREECE
G. Paliatsos, P. S. Koronakis and J. K. Kaldellis (GREECE)
- S60. ESTIMATIONS OF AIR POLLUTANTS' CONCENTRATIONS IN URBAN BUILDING INTERIORS IN GREECE
N. Papamanolis (GREECE)
- S61. METEOROLOGICAL CONDITIONS DURING AIR POLLUTION EPISODES IN THESSALONIKI, GREECE
M. J. Petrakakis, A. G. Kelessis, H. A. Flocas, N. M. Zoumakis and M.A. Tsouga (GREECE)
- S62. THE ROLE OF ROAD TRANSPORT EMISSIONS TO THE FORMATION OF O₃ OVER THE BALKAN REGION
A. Poupkou, P. Symeonidis, I. Lisaridis, D. Melas, I. Ziomas, O. D. Yay, E. Pouspourika and D. Balis (GREECE)
- S63. EXTREME VALUE MODELLING OF DAILY PM₁₀ CONCENTRATIONS IN AN INDUSTRIAL AREA
A. Sfetsos, J. G. Bartzis, A. G. Triantafyllou and S. Zoras (GREECE)
- S64. AIR QUALITY MEASUREMENTS AND MODELLING IN WEST MACEDONIA REGION
S. Zoras, A. G. Triantafyllou, S. Garas, V. Evagelopoulos and C. Diamadopoulos (GREECE)
- S65. STATISTICAL TOOLS FOR DATA OPTIMIZATION IN AIR QUALITY MONITORING NETWORKS
S. Di Leo, M. D'Emilio, M. Proto and M. Ragosta (ITALY)
- S66. PELARGONIUM LEAVES AS BIOACCUMULATOR OF POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS): ANALYTICAL METHOD AND EVALUATION OF SOURCES AND AIR QUALITY IN PALERMO (ITALY) AREA
A. Gianguzza, L. Culotta and S. Orecchio (ITALY)
- S67. ADSORPTION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) BY PINE BARKS AND THEIR USE FOR ENVIRONMENTAL POLLUTION MONITORING IN THE PALERMO (ITALY) AREA
A. Gianguzza, L. Culotta and S. Orecchio (ITALY)
- S68. EVALUATION OF TOTAL GASEOUS MERCURY IN AMBIENT AIR IN SPAIN
R. Díaz, R. F. Patier and S. G. dos Santos-Alvès (SPAIN)
- S69. LANDFILL GAS EMISSIONS OF AYDINLI SOLID WASTE DUMPING SITE
S. Nemlioglu, H. K. Ozcan, E. Elmaslar, G. Demir and M. Borat (TURKEY)
- S70. COMPUTER MODELLING PROGRAMME FOR AIR POLLUTION PROBLEMS AND THEIR SOLUTIONS
E. Esmeray, C. Ozdemir and S. Dursun (TURKEY)
- S71. AIR POLLUTANT EMISSIONS FROM SHIPPING IN ISTANBUL STRAIT (BOSPHORUS)
G. Bilen Alkan, C. Bayat and S. Nemlioglu (TURKEY)

- S72. LEVELS AND SOURCES OF PM10 URBAN AEROSOL FRACTION IN TURKEY (ISTANBUL)
B. Onat (TURKEY)
- S73. DISTRIBUTION OF OZONE CONCENTRATION WITHIN URBAN AREA IN ISTANBUL AND HUMAN HEALTH EFFECT
U. Sahin, H. Curuksulu and C. Bayat (TURKEY)
- S74. ENVIRONMENTAL IMPACT ASSESMENT FOR INDUSTRIAL INDOOR AIR QUALITY: 1,1,1, TRICHLOROETHYLENE
R. Yamanturk, I. Talinli and E. Aydin (TURKEY)
- S75. ANALYSIS OF T4/T3 HORMONES IN ZEBRAFISH DANIO RERIO. BY 13C-ISOTOPE DILUTION NANO-RP-LC/TIME OF FLIGHT MS
G. Pfister, L. Hollosi and K.-W. Schramm (GERMANY)
- S76. SEASONAL MEASUREMENTS OF AIR POLLUTION FROM PETROL CARS IN THE CITY OF THESSALONIKI
F. Vosniakos, J. Triandafyllis, D. Prapas, A. Karida, M. Katsantoni, N. Zoumakis, S. Ioannidis and K. Soutsas (GREECE)
- S77. INVESTIGATION OF LEACHING PROPERTIES OF FLY ASHES ORIGINATED FROM TURKISH COAL-FIRED THERMAL POWER PLANTS
O. Evirgen, A. Ugurlu and T. Onacak (TURKEY)
- S78. POTENTIAL APPLICATION OF WASTES (AGRICULTURAL AND ANIMAL) FOR ENERGY AND MATERIAL RECOVERY WITH ENVIRONMENTAL SAFETY
A. Zabaniotou and V. Skoulou (GREECE)
- S79. ANIMAL WASTE ENERGY UTILIZATION
G. Koufodimos, D. Kamidis, N. Philippopoulos and A. Zabaniotou (GREECE)
- S80. A SIMPLE SCHEME FOR DAYTIME ESTIMATES OF SURFACE ENERGY BUDGET IN COMPLEX TERRAIN
N. M. Zoumakis, G. A. Efstathiou, A. G. Kelessis, J. Triandafyllis, M. J. Petrakakis and D. Papas (GREECE)

Monday, Oct. 10th, 2005

09.00 **Excursion**

19.00 **General Assembly of MESAEP**

Tuesday, Oct. 11th, 2005

09.00 - 11.15 **Session 5: Waste**

Chairpersons: St. C. Michaelidou, D. Orhon, I. Kabdasli, C. Michael

COST ANALYSIS OF THE MANAGEMENT OF ELECTRICAL AND ELECTRONIC PRODUCTS AT THE END OF THEIR USEFUL LIFE

N. Moussiopoulos, H. Achillas, A. Avramidis, D. Boudouvas, E. Giama, A. Karagiannidis, A. Papadopoulos, G. Perkoulidis, K. Sioris and D. Vlachos (GREECE)

INTEGRATED APPROACH FOR SAFE AND ENVIRONMENTALLY ACCEPTABLE REUSE OF TREATED EFFLUENTS - A CASE STUDY FROM CYPRUS

St. C. Michaelidou and M. Christodoulidou (CYPRUS)

THE FUTURE OF SEWAGE SLUDGE DISINTEGRATION

J. Suschka (POLAND)

UNIFIED BASIS FOR THE RESPIROMETRIC EVALUATION OF INHIBITION FOR ACTIVATED SLUDGE

D. Orhon, E. Ubay Çokgör, Ö. Karahan and S Özdemir (TURKEY)

LEACHING OF NITROGEN, PHOSPHORUS, TOC AND COD FROM THE BIOSOLIDS OF THE MUNICIPAL WASTEWATER TREATMENT PLANT OF THESSALONIKI

V. Baziaka, K. Fytianos and E. Voudrias (GREECE)

A HYBRID FLOTATION – MICROFILTRATION PROCESS FOR EFFLUENT TREATMENT

E. N. Peleka, P. Mavros, K. A. Matis and V. Mavrov (GREECE – GERMANY)

MICROBIAL GROWTH KINETICS AND MICROBIAL ENZYMES FOR INDUSTRIAL WASTEWATER TREATMENT

E. Tzanou, A. Guitonas and E. Oikonomou (GREECE)

TOXIC METALS FIXATION IN MINING WASTES BY REPEATED ADDITION OF IRON(II) SULPHATE

M. Contin, C. Mondini, L. Leita and M. De Nobili (ITALY)

11.15 – 11.45 **Break and Posters Session**

11.45 – 14.00 **Session 6: Environmental management, planning and policy I**

Chairpersons: V. Axiak, A. Berktay, L. Leita, A. Karagiannidis

SUSTAINABLE WASTE MANAGEMENT AT SPECIAL EVENTS USING REUSABLE DISHWARE

M. Cadji, H. Leverenz, G. Tchobanoglous and A. Karagiannidis (U.S.A. – GREECE)

IDENTIFICATION OF ENVIRONMENTAL PRIORITY ISSUES FOR ENVIRONMENTAL MANAGEMENT: A CASE STUDY FROM THE CENTRAL MEDITERRANEAN (MALTA)

V. Axiak (MALTA)

METHODOLOGY FOR THE ARRANGEMENT OF AEOLIAN PARKS IN THE MUNICIPALITY OF CARAVACA (MURCIA, SPAIN)

J. Molina and M. L. Tudela (SPAIN)

WASTE-TO-ENERGY: JORDAN'S EXPERIENCE

Z. Al-Ghazawi (JORDAN)

AUTONOMOUS DESALINATION SYSTEM AS A TOOL FOR MANAGEMENT OF WATER SCARCITY
PROBLEM IN MEDITERRANEAN COUNTRIES

S. Sözen, S. Teksoy and S. Başak (TURKEY)

LAND APPLICATION OF SEWAGE SLUDGE GENERATED FROM ADVANCED WASTEWATER TREATMENT
PROCESS

M. Kucukhemek, B. Nas and A. Berkday (TURKEY)

DESIGNING A COASTAL ZONE MANAGEMENT (CZM) FOR SUSTAINABLE DEVELOPMENT; A CASE STUDY
AT THE OLDEST PART OF ISTANBUL

R. M. Alkan, Y. Kalkan, H. Demirel, D. Z. Seker and S. Kabdasli (TURKEY)

ASSESSMENT OF ENVIRONMENTAL IMPACT OF PYRITE WASTE USING LEACHING EXPERIMENTS

S. P. Varnavas, S. Marantos, P. G. Koutsoukos and P. Giannoulis (GREECE)

14.00 – 16.00 **Break**

16.00 – 17.30 **Session 7: Environmental management, planning and policy II**

Chairpersons: C. Koroneos, S. Pakalin, A. Andrés, A. Kungolos

SUSTAINABILITY IN PRODUCTION THE APPLICATION OF ENVIRONMENTAL TOOLS

C. Koroneos, H. Achilles, N. Moussiopoulos and V. Kikis (GREECE)

STRUCTURALLY-BASED TOOLS FOR THE SCREENING AND PREDICTION OF THE ENVIRONMENTAL
PERSISTENCE OF ORGANIC CHEMICALS

E. Papa and P. Gramatica (ITALY)

BALLAST WATER PROBLEMS IN THE BLACK SEA AND TURKISH STRAITS

G. Alkan and T. Satir (TURKEY)

MODELING LEACHATE COMPONENTS IN PILOT SCALE BIOREACTOR LANDFILLS

M. S. Bilgili, B. Özkaya and A. Demir (TURKEY)

PLANNING OF SOLID WASTE MANAGEMENT IN ATTICA PREFECTURE, GREECE

S. Bakopoulou, K. Papaikonomou, M. Haidarlis and A. Kungolos (GREECE)

17.30 – 18.00 **Posters Session**

18.00 – 18.30 **Break and Posters Session**

18.30 – 19.00 **Posters discussion in full audience session**

19.00 - 20.15 **Session 8: Soil pollution and control**

Chairpersons: J. Cornejo, M. Hermosín, L. Shafran, J. Suschka

SOIL AMENDMENT WITH COMPOSTED ORGANIC WASTES IN THE MEDITERRANEAN AREA - CHEMICAL NATURE AND BEHAVIOUR OF THE HUMIC ACID FRACTION
N. Senesi (ITALY)

HEAVY METAL AND PESTICIDE SORPTION BY ORGANOCCLAYS
M. Cruz-Guzmán, R. Celis, M.C. Hermosín and J. Cornejo (SPAIN)

WAVELENGTHS AND PH EFFECTS ON PHOTOCHEMICAL DEGRADATION OF IMAZAQUIN HERBICIDE
H. Barkani, H. Mountacer, C. Emmelin, M. El azzouzi and J. M. Chovelon (MOROCCO – FRANCE)

ENVIRONMENTAL QUALITY CONTROL IN PORTLAND CEMENT: RAW MATERIALS, CLINKER AND MORTARS
P. Beltran, A. Andrés, A. Irabien, M. Larrion, C. Gutierrez-Cañas and J. A. Legarreta (SPAIN)

POSTERS SESSION

Chairpersons: N. Senesi, H. Mountacer, M. Zucchetti, P. Avino

Waste

- T1. INNOVATIVE URBAN WASTEWATER TREATMENT TECHNOLOGIES AND SYSTEMS APPLIED IN CYPRUS - A STEP TOWARDS PROMOTING SUSTAINABLE WASTEWATER MANAGEMENT
D. Fatta, S. Anayiotou, K. Moustakas, M. Zachariou Dodou, I. Papadopoulos and M. Loizidou (CYPRUS – GREECE)
- T2. APPLICATION OF CLOUD POINT TEMPERATURE EXTRACTION WITH THE AID OF SURFACTANTS IN THE ISOLATION OF PHYSICAL ANTIOXIDANTS (PHENOLS AND VITAMIN E) FROM OLIVE MILL WASTEWATER (OMW) AND WINE PRODUCTION WASTES
E. Katsoyannos, A. Chatzilazarou, O. Gortzi, S. Lalas and P. Tataridis (GREECE)
- T3. WASTEWATER TREATMENT IN THE VERTICAL-FLOW CONSTRUCTED WETLAND OF MADYTOS/MODI, GREECE
I. Kyratzis and N. Dermisi (GREECE)
- T4. LIQUID CHROMATOGRAPHIC DETERMINATION OF PHARMACEUTICALS IN SEWAGE SLUDGES BY USING SOLVENT EXTRACTION FOLLOWED BY SOLID PHASE EXTRACTION
N. Bechrakis, D. Lambropoulou, P. Selimi and T. Albanis (GREECE)
- T5. PHOTOCATALYTIC TREATMENT OF OLIVE MILL WASTEWATERS (OMW) IN PILOT SCALE
E. Katsoyannos, A. Hatzikioseyan, E. Remoundaki and M. Tsezos (GREECE)
- T6. PLASTIC WASTE MANAGEMENT IN GREECE: TRENDS AND NEEDS
D. S. Achilias and A. Karagiannidis (GREECE)
- T7. ADVANCED OXIDATION PROCESSES: DECOLORIZATION OF SOME ORGANIC DYES WITH H₂O₂
K. Movassaghi and S. Havaei (IRAN)
- T8. EVOLUTION OF HEAVY METALS MOBILITY DURING MUNICIPAL SOLID WASTE COMPOSTING
P. Castaldi, L. Santona and P. Melis (ITALY)
- T9. ADSORPTION FORMS OF COPPER IONS REMOVAL FROM AUTOMOBILE INDUSTRY WASTEWATER BY NATURAL ZEOLITES
A. Ateş, V. Sevinç and M. Alosman (TURKEY)

- T10. LEACHATE COMPOSITION IN AEROBIC PILOT SCALE LANDFILLS
M. S. Bilgili, A. Demir and B. Ozkaya (TURKEY)
- T11. USE OF CLINOPTILOLITE FOR HEAVY METAL (Cu, Ni) REMOVAL FROM WASTEWATERS
V. Çağın and İ. İmamoğlu (TURKEY)
- T12. SOLUBLE RESIDUAL PRODUCT FORMATION DURING ANAEROBIC TREATMENT OF PULP AND PAPER INDUSTRY EFFLUENTS
E. Cetin and S. Arayıcı (TURKEY)
- T13. EVALUATION OF BIODEGRADATION OF WASTEWATER MIXTURE
E. U. Cokgor, O. Karahan and D. Orhon (TURKEY)
- T14. METAL CONCENTRATIONS OF AEROBIC LANDFILL LEACHATE
A. Demir, M. S. Bilgili, M. İnce and B. Ozkaya (TURKEY)
- T15. COMBUSTION IN A ROTATING FLUIDISED BED
N. Demircan and J. Swithenbank (TURKEY – U.K.)
- T16. HEAVY METALS LEVELS IN WASTEWATER OF KONYA CITY (TURKEY)
M. Karatas, S. Dursun, C. Ozdemir, M. E. Argun and S. Dogan (TURKEY)
- T17. DEVELOPMENTS OF TANNIN RESINS FOR THE REMOVAL AND THE RECOVERY OF HEAVY METAL IONS FROM INDUSTRIAL WASTEWATERS BY ADSORPTION
M. Evcı, I. A. Sengil and U. Yurtsever (TURKEY)
- T18. THE COMPARISON OF TWO TYPES OF CLINOPTILOLITE FOR REMOVAL OF Cd²⁺ IONS FROM WASTEWATER
K. Gedik and İ. İmamoğlu (TURKEY)
- T19. REMOVAL OF SURFACTANTS BY COAGULATION AND ADSORPTION FROM DETERGENT INDUSTRY WASTEWATER
Z. B. Gonder, Y. Kaya, I. Vergili and H. Barlas (TURKEY)
- T20. NITROGEN RECOVERY BY STRUVITE PRECIPITATION FROM ANTHROPOGENIC NUTRIENT SOLUTION
I. Kabdasli, O. Tünay and M. B. Tatli (TURKEY)
- T21. DECOLORIZATION OF DYING TEXTILE WASTEWATER BY ADVANCED ACTIVATED SLUDGE IN SEQUENCING BATCH REACTOR
G. Koseoglu and R. Ileri (TURKEY)
- T22. INVESTIGATION OF HEAVY METAL REMOVAL (ZINC, LEAD) FROM WASTEWATERS USING CLINOPTILOLITE
N. Morali and İ. İmamoğlu (TURKEY)
- T23. THE REMOVAL OF ZINC FROM INDUSTRIAL WASTEWATER BY USING PUROLITE C-104 AS ION EXCHANGE RESIN
Ö. Öğleni, B. Sengörür and N. Öğleni (TURKEY)
- T24. ACCLIMATION OF ACIDOGENIC PHASE IN ANAEROBIC TREATMENT TREATING PHARMACEUTICAL WASTEWATER
Y. Oktem, N. Sivri and S. Arayıcı (TURKEY)
- T25. PRODUCTION OF SOILLESS MEDIA FROM ORGANIC WASTES FOR ORNAMENTAL SUBSTRATES
S. Ozdemir, N. N. Nuhoglu, G. Koseoglu and O. H. Dede (TURKEY)
- T26. ANAEROBIC REMOVAL OF VOLATILE ORGANIC COMPOUNDS (VOC) FROM WASTE WATER
C. Özdemir, Ş. Dursun and N. Şen (TURKEY)

- T27. EVALUATION OF NON-BIODEGRADABLE SOLUBLE SUBSTRATE CONCENTRATION IN LEACHATE FROM MSW TEST CELLS
B. Ozkaya, A. Demir and M. Sinan Bilgili (TURKEY)
- T28. EFFECT OF ANOXIC ZONE VOLUME ON NITROGEN REMOVAL IN AN OXIDATION DITCH SYSTEM
C. Ozturk and A. Ugurlu (TURKEY)
- T29. CHARACTERIZATION TREATMENT AND WASTE MANAGEMENT OF WASTEWATER OF SADIRLAR TEXTILE PLANT
E. Süslü, N. Ögleni and Ö. Ögleni (TURKEY)
- T30. TREATMENT OF ANAEROBICALLY PRE-TREATED DOMESTIC SEWAGE BY A SEQUENCING BATCH REACTOR
G. Yilmaz, E. Cetin and A. Temizsoy (TURKEY)
- T31. THE PRE-ACIDIFICATION OF DOMESTIC SEWAGE
G. Yilmaz, A. Temizsoy and E. Cetin (TURKEY)
- T32. TREATMENT OF OLIVE MILL WASTEWATERS BY AN ELECTROCHEMICAL METHOD
U. Tezcan Un, S. Ugur, A. S. Koparal and U. Bakir Ogutveren (TURKEY)
- T33. WASTE MANAGEMENT OPTIONS FOR THE MEDITERRANEAN COASTAL ZONE OF ANTALYA
S. Ucaroglu, N. Demircan and B. Topkaya (TURKEY)
- T34. PROPOSAL FOR A REGIONAL SLUDGE TREATMENT AND DISPOSAL SYSTEM FOR THE COASTAL ZONE OF ANTALYA
N. Demircan, K. Gedik, V. Yilmaz and B. Topkaya (TURKEY)
- T35. COMBATING BULKING SLUDGE WITH PHYSICAL - CHEMICAL METHODS
I. Yilmaz, S. Mazlum and B. Topkaya (TURKEY)
- T36. TRACING THE MIXING EFFICIENCY OF A PRIMARY MESOPHILIC ANAEROBIC DIGESTER IN A MUNICIPAL WASTEWATER TREATMENT PLANT
S. Kimchie, N. Tufekci, M. Elnekave and G. Shelef (TURKEY – ISRAEL)
- T37. INFLUENCE OF LEACHATES ON THE PERMEABILITY AND LEACHATE REMOVAL RATE OF COMPACTED CLAY
M. S. Ozcoban, I. Erarslan, U. Sahin, N. Tufekci and M. Yildirim (TURKEY)
- T38. TREATMENT OF LANDFILL LEACHATE BY BIOLOGICAL AERATED FILTER (BAF)
A. Ugurlu, G. Alpay and B. Akin (TURKEY)
- T39. END PRODUCT QUALITY OF COMPOST FROM ISTANBUL AEROBIC COMPOSTING PLANT
A. Demir, G. Varank, Ş. Yildiz and E. Akkaya (TURKEY)
- T40. SLUDGE BULKING UNDER PHOSPHORUS DEFICIENT CONDITION
İ. Turtin, A. Vatansever and F. D. Sanin (TURKEY)
- T41. THE COMPARISON OF TREATABILITY OF RAW AND ANAEROBICALLY PRE-TREATED DOMESTIC SEWAGE BY SEQUENCING BATCH REACTOR SYSTEM
G. Yilmaz, A. Temizsoy, E. Cetin and S. Övez (TURKEY)
- T42. DOMESTIC SEWAGE TREATMENT IN A SEQUENCING BATCH REACTOR SYSTEM
G. Yilmaz, A. Temizsoy and E. Cetin (TURKEY)
- T43. EFFECT OF pH ON THE REVERSIBILITY OF FLOC BREAKAGE
M. A. Yukselen, J. Gregory and S. Sam (TURKEY – U.K.)
- T44. ADSORPTION OF HUMIC ACID ON THE ADSORBENT PRODUCED FROM COAL MINING WASTES
M. Mahramanlioglu, I. Kizilcikli, K. Guclu, I. O. Bicer and T. Misirli (TURKEY)

- T45. REMOVAL OF NICKEL BY THE ADSORBENTS PRODUCED FROM COFFEE RESIDUES
M. Mahramanlioglu, K. Güclü, I. Kizilcikli and T. Misirli (TURKEY)
- T46. REMOVAL OF PARAQUAT BY THE ADSORBENTS PRODUCED FROM COFFEE RESIDUES
M. Mahramanlioglu, K. Guclu, I. Kizilcikli and T. Misirli (TURKEY)
- T47. THE REMOVAL OF ANIONIC NAPHTALENE DERIVATIVES BY THE ADSORBENTS PRODUCED FROM USED TIRES
M. Mahramanlioglu, S. Gül C. Misirli, E. Caliskan and T. Misirli (TURKEY)

Environmental management, planning and policy

- T48. THE COMMISSION FOR THE INVESTIGATION OF HEALTH HAZARDS OF CHEMICAL COMPOUNDS IN THE WORK AREA OF THE GERMAN RESEARCH FOUNDATION - AN IMPORTANT SCIENTIFIC DRIVING FORCE IN THE FIELD OF OCCUPATIONAL EXPOSURE ASSESSMENT IN GERMANY
M. R. Lahaniatis, R. Schwabe and H. Greim (GERMANY)
- T49. PHOTOCROMIC POLYOXOMETALLATE / POLY-ETHYLENIMINE (POM/PEI) BASED ON MULTILAYER FILMS
I. Chassiotou, A. Troupis, A. Hiskia and E. Papaconstantinou (GREECE)
- T50. ZED-KIM: A PILOT HOUSE USING RENEWABLE ENERGY SOURCES
P. Kosmopoulos, D. Galanos and P. Christou (GREECE)
- T51. TOURISM QUALITY ENHANCEMENT AND ECONOMIC GROWTH THROUGH COASTAL MANAGEMENT
G. Ekonomides and N. Dermissi (GREECE)
- T52. PRESENTATION OF Ev METHOD AND COMPARISON WITH THE FRENCH HQE METHOD
P. Kosmopoulos and I. P. Fraggidou (GREECE)
- T53. HUMAN COMFORT AND ENVIRONMENTAL DESIGN
P. Kosmopoulos and I. P. Fraggidou (GREECE)
- T54. THERMAL COMFORT SURVEY IN OFFICE BUILDINGS
P. Kosmopoulos and D. Galanos (GREECE)
- T55. PILOT STUDY FOR A SCHOOL BUILDING WITH LOW ENERGY CONSUMPTION IN XANTHI
P. Kosmopoulos and P. Konstantinidis (GREECE)
- T56. EV MATRIX: A METHOD FOR THE ENVIRONMENTAL EVALUATION OF A BUILDING
P. Kosmopoulos and S. Gavrilidis (GREECE)
- T57. SUSTAINABLE DEVELOPMENT IN DELPHI AREA
P. Kosmopoulos (GREECE)
- T58. STRATEGIC PLANNING FOR THE URBAN GREEN IN THESSALONIKI
N. Papamihos, M. Ananiadou-Tzimopoulou, T. Zagas, S. Diamandopoulos and K. Nikolaou (GREECE)
- T59. ENVIRONMENTAL PLANNING OF THE PINIOS RIVER'S SURROUNDING AREA IN THE CITY OF LARISSA
N. Gisakis and K. Nikolaou (GREECE)
- T60. PILOT STUDY OF URBAN GREEN IN THE CITY OF THESSALONIKI
P. Kosmopoulos and C. Papanastasiou (GREECE)
- T61. STABILISATION OF THE ACTIVE SLUDGE BY USING FLY ASH
C. Skitzi, M. Goula, H. Polychronopoulou and E. Chalarakis (GREECE)
- T62. THE ENVIRONMENTAL BALANCE OF THE POTENZA TOWN INDUSTRIAL DISTRICT (SOUTHERN ITALY): A SUPPORT TOOL FOR STRATEGIC SUSTAINABLE PLANNING

- C. Cosmi, S. Loperte, G. Marmo, F. Pietrapertosa, M. Proto and M. Salvia (ITALY)
- T63. BIO-ETHANOL: A POSSIBLE SOLUTION FOR SUSTAINABLE ENERGY AND DEVELOPMENT
V. Naso, S. Simoni and G. Mattei (ITALY)
- T64. HOSPITAL AND ENERGY: A RATIONAL USE TO REDUCE ENVIRONMENTAL IMPACT AND POLLUTION
G. Mattei and D. D'Alessandro (ITALY)
- T65. ENVIRONMENTAL MONITORING OF AN ALTERNATE MANAGEMENT OPTION OF DREDGED MATERIALS: AN ITALIAN CASE STUDY
F. Mela, S. Macchia, F. Sarti, C. Mugnai and G. Sesta (ITALY)
- T66. PREPARATION AND PHOTOACTIVITY OF RUTILE OBTAINED BY HYDROLYSIS OF $TiCl_4$
M. Addamo, V. Augugliaro, A. Di Paola, E. García-López, V. Loddo, G. Marci, C. Martin, L. Palmisano and V. Rives (ITALY – SPAIN)
- T67. PROMOTING TECHNOLOGY TRANSFER IN SOUTHERN ITALY: THE ENVIRONMENT AND INDUSTRY PORTAL "IMPRESAMBIENTE R&D"
C. Cosmi, V. Lapenna, F. Pietrapertosa, M. Proto, M. Salvia and V. Cuomo (ITALY)
- T68. MANAGEMENT OF SCIENTIFIC AND TECHNICAL KNOWLEDGE: THE SPANISH SEDIMENT NETWORK "INTERSED"
O. Rodríguez-Obeso, P. Gutiérrez-Perojo, C. González-Piñuela, A. Coz, A. Andrés, J. Viguri, M. J. Belzunce and A. Del Valls (SPAIN)
- T69. ENVIRONMENTAL PORT MANAGEMENT IN TURKEY
G. Alkan and O. A. Bak (TURKEY)
- T70. MODEL STUDY FOR TURKISH PORT RECEPTION FACILITIES
G. Alkan, C. Bayat, S. Nemlioğlu, T. Satı and O. A. Bak (TURKEY)
- T71. ENVIRONMENTAL EVALUATION OF HEAVY OCCUPANCY VEHICLES (HOV) LANES
S. Basbas (GREECE)
- T72. EVALUATING URBAN LAND USE CHANGE IN HISTORICAL PENINSULA, ISTANBUL, BY USING GIS AND REMOTE SENSING
Z. Duran and N. Musaoğlu (TURKEY)
- T73. AN ASSESSMENT OF THE SOLID WASTE MANAGEMENT POLICIES OF HOTELS IN ANKARA AND ANTALYA
N. Erdoğan and E. Barış (TURKEY)
- T74. DETECTING IMPACTS OF RAPID URBANIZATION BY MEANS OF REMOTE SENSING DATA AND GIS
N. Musaoglu, I. Ozdemir, D. Z. Seker and S. Kaya (TURKEY)
- T75. LOCATING POTENTIAL LANDFILL SITES USING GEOGRAPHIC INFORMATION SYSTEMS: A CASE STUDY IN KONYA, TURKEY
B. Nas, A. Berktaş, T. Cay and F. İscan (TURKEY)
- T76. LAND USE CHANGE ANALYSIS OF AN URBANIZED DISTRICT OF ISTANBUL USING REMOTELY SENSED DATA AND GIS
C. Goksel, N. Musaoglu, M. Gurel, N. Ulugtekin, A. Tanik and D. Z. Seker (TURKEY)
- T77. MEASURE THE ENVIRONMENTAL IMPACT OF PESTICIDES IN COTTON FIELDS
C. Turgut and O. Erdogan (TURKEY)
- T78. ENVIRONMENTAL CONSEQUENCES IN THE SECTION OF THE READY-MIXED CONCRETE PRODUCTION
A. Biska, N. Oikonomou and K. Sikalidis (GREECE)

- T79. DEVELOPMENT OF ENVIRONMENTAL GUIDELINES FOR THE REGION OF WESTERN BALKANS
D. Sanopoulos and N. Duic (GREECE - CROATIA)

Soil pollution and control

- T80. ISOTOPE SELECTIVITY IN ENVIRONMENTAL MONITORING: NIR-DIODE LASER SPECTROSCOPY FOR ISOTOPE-SELECTIVE SENSING OF SOIL-RESPIRED CARBON DIOXIDE
S. Lau and H.-G. Löhmannsröben (GERMANY)
- T81. RUNOFF LOSSES OF METALAXYL IN TOBACCO CULTIVATION
V. Triantafyllidis, D. Hela, G. Patakioutas, P. Dimopoulos and T. Albanis (GREECE)
- T82. ISOLATION AND CHARACTERIZATION OF A SOIL BACTERIUM ISOLATED FROM A GREEK CREOSOTE POLLUTED SITE: BIODEGRADATION OF PAHS BY FREE AND ENTRAPPED CELLS
A. Kallimanis, E. Karabika, A. Dados, P. Pramateftaki, A. Perysinakis, G. Pilidis, C. Drainas and A. I. Koukkou (GREECE)
- T83. SORPTION AND LEACHING BEHAVIOUR OF DIURON IN ORGANIC AMENDED SOILS
L. Cox, P. Velarde, M. C. Hermosín and J. Cornejo (SPAIN)
- T84. SOIL COMPONENTS AS AFFECTING GLYPHOSATE SOIL RETENTION
M. J. Calderon, R. Celis, M. A. Quintana, S. Durand and J. Cornejo (SPAIN – FRANCE)
- T85. DEGRADATION OF THE GROUND IN SEMI-ARID ECOSYSTEMS BY LOSS OF VEGETAL COVER (MURCIA, SPAIN)
M. J. Martinez and M. L. Tudela (SPAIN)
- T86. EVALUATION OF AGRICULTURAL UTILIZATION OF THE SLUDGE PRODUCED AT VARIOUS AGRO-INDUSTRIES
D. Dölgen, M. N. Alpaslan and N. Delen (TURKEY)
- T87. NON-CONVENTIONAL USE OF ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY FOR DETERMINING THE HEAVY METAL CONTENT IN SOIL AND SEDIMENT SAMPLES: WHY DISSOLVE THE SAMPLES?
I. Lopez-Garcia, P. Vinas, M. Hernandez-Cordoba, M. J. Martinez-Sanchez and C. Perez-Sirvent (SPAIN)
- T88. CHEMICAL AND PHYSICO-CHEMICAL INDICATORS FOR ASSESSING THE STATUS OF THE SOIL DESERTIFICATION PROCESS. A STUDY CASE IN MURCIA (SE, SPAIN)
M. J. Martinez-Sanchez, J. Molina, M. L. Tudela, R. Barberan, W. Mantilla, C. Perez-Sirvent and C. Hernandez (SPAIN)
- T89. CHEMICAL MOBILITY AND FATE OF ZINC, COPPER, LEAD AND CADMIUM PRESENT IN SEDIMENTS COMING FROM MINING ACTIVITY IN PORTMAN BAY (MURCIA, SE SPAIN)
M. J. Martinez Sanchez, C. Perez-Sirvent, M. C. Navarro, M. L. Garcia, I. Agudo and J. Vidal (SPAIN)
- T90. STIMULATION OF THE BIODEGRADATION OF CHLOROBENZENES IN SOILS UNDER ANAEROBIC AND AEROBIC CONDITIONS
F. Brahusi, U. Dörfler, A. Guri, R. Schroll and J. C. Munch (ALBANIA – GERMANY)
- T91. VALIDATION OF MATRIX SOLID-PHASE DISPERSION FOR THE DETERMINATION OF ENDOCRINE DISRUPTING COMPOUNDS AND THEIR METABOLITES IN FRUITS, VEGETABLES AND JUICES
V. Boti, V. Sakkas and T. Albanis (GREECE)
- T92. HAZARDOUS SUBSTANCES IN GREEK LANDFILLS FROM WEEE DISPOSAL
K. Poullos, H. Hadjiaggelou and E. Papachristou (GREECE)

Wednesday, Oct. 12th, 2005

09.00 - 11.15 **Session 9: Natural ecosystems**

Chairpersons: M. Bahadir, G. Leupold, Y. Krestenitis, V. Tsihrintzis

NATURE RESERVES AND BIODIVERSITY OF TURKEY AND MEASURES TO BE TAKEN FOR A EU MEMBERSHIP

I. Kiziroglu and M. Bahadir (TURKEY – GERMANY)

MODERN ECOLOGICAL STATE OF LANDSCAPES OF RUSSIAN BLACK SEA COAST

M. N. Petrooshina (RUSSIA)

A FREE WATER SURFACE CONSTRUCTED WETLAND FOR THE TREATMENT OF AGRICULTURAL DRAINAGE IN VASSOVA LAGOON, KAVALA, GREECE

I. Pechlivanidis, C. Akrotos, V. A. Tsihrintzis, G. Sylaios and H. Jerrentrup (GREECE – GERMANY)

REMOTELY SENSED BASELINE DATA FOR MONITORING THE PROTECTED WETLAND OF DELTA AXIOS-LOUDIAS-ALIAKMONAS

T. Alexandridis, T. Lazaridou, C. Topaloglou and G. Zalidis (GREECE)

POLYCHAETES FROM SOFT SUBSTRATUM COMMUNITIES (NE THERMAIKOS GULF) AS ECOLOGICAL QUALITY INDICATORS

C. Chintiroglou, C. Antoniadou and Y. Krestenitis (GREECE)

ASSESSING THE ECOLOGICAL QUALITY OF RUNNING WATERS OF THRACE REGION (N.E. GREECE) BY USE OF MACROINVERTEBRATE INDICATORS

K. C. Gritzalis, I. Karaouzas and N. Th. Skoulikidis (GREECE)

ESTIMATING BREAK POINTS OF Chl-a IN RELATION WITH NUTRIENTS FROM THERMAIKOS GULF (GREECE) USING PIECEWISE LINEAR REGRESSION

G. Nikolaidis, D. P. Patoucheas and K. Koukaras (GREECE)

APPLICATION OF THE NETWORK ANALYSIS METHODOLOGY FOR THE STUDY OF THE ECOLOGICAL PROPERTIES OF A SHALLOW MARINE ECOSYSTEM IN THE AEGEAN INFLUENCED BY ANTHROPOGENIC ACTIVITIES

S. Papasavvas, J. Kanavakis, S. Spatharis, A. Bordini and G. Tsirtsis (GREECE)

11.15 – 11.45 **Break and Posters Session**

11.45 – 14.00 **Session 10: Water pollution and control I**

Chairpersons: T. Albanis, C. Koutitas, I. Ahmad, A. Törökne

THE ASSESSMENT OF LAND ORIGINATED POLLUTION CARRIED TO ANTALYA GULF

M. Erpek, O. Bulent Yalcin and B. Topkaya (TURKEY)

HETEROGENEOUS PHOTOCATALYTIC DECOMPOSITION OF TRIFLURALIN USING TiO₂ CATALYSTS

A. Dimou, V. Sakkas and T. Albanis (GREECE)

THE USE OF NUMERICAL SIMULATION OF OIL SPILLS IN DEVELOPING A CHEMICAL POLLUTION CONTINGENCY PLAN IN PORTS. THE CASE OF THE PORT OF THESSALONIKI, GREECE

G. Palantzas, C. Koutitas and A. Samaras (GREECE)

HAZARDS FOR THE MARINE ENVIRONMENT DUE TO NUCLEAR POWERED SUBMARINES

F. Aumento, M. Cristaldi and M. Zucchetti (ITALY)

ANGUILLA ANGUILLA L OXIDATIVE STRESS BIOMARKERS: A COMPARATIVE STUDY OF FRESHWATER WETLAND ECOSYSTEM PATEIRA DE FERMENTELOS

I. Ahmad, M. Pacheco and M.A. Santos (PORTUGAL)

BIOMONITORING OF TRACE METALS (Cu, Cd, Cr, Hg, Pb, Zn) IN THE EASTERN ADRIATIC USING THE MEDITERRANEAN BLUE MUSSEL

Z. Kljakovic-Gaspic, N. Odzak, I. Ujevic, T. Zvonaric and A. Baric (CROATIA – SWITZERLAND)

COMPARISON OF A THE 1 HOUR AND THE 24 HOUR TOXICITY TESTS WITH THAMONOCEPHALUS PLATYURUS LARVAE ON ENVIRONMENTAL AND SPIKED SAMPLES

A. Törökne and G. Persoone (HUNGARY – GERMANY)

HEAVY METAL POLLUTION AND MANAGERIAL PROBLEMS IN THE MARINAS OF SARONICOS GULF

S. Tapinos, M. Dassenakis and F. Sakellariadou (GREECE)

14.00 – 16.00 **Break**

16.00 – 17.30 **Session 11: Water pollution and control II**

Chairpersons: U. Zoller, W. Bergheim, L. Palmisano, M. Scoullos

ENDOCRINE DISRUPTING APEOs IN ISRAELI/PALESTINIAN WATER RESOURCES: WHAT SHOULD IT TAKE TO PREVENT FUTURE POLLUTION?

U. Zoller (ISRAEL)

IMPACT OF LAND-BASED ACTIVITIES ON THE LEVELS OF PHOSPHORUS SPECIES IN MEX BAY, EGYPT

M. A. H. Saad and W. N. Younis (EGYPT)

INCIDENCE OF ANTIBIOTIC RESISTANCE IN THE MICROBIAL COMMUNITY OF THE RIVER TIBER (ROME)

L. Migliore, E. Alessi, D. Mattei, L. Mancini and M. C. Thaller (ITALY)

THE INFLUENCE OF FISH FARMING IN THE ADDITION OF PARTICULATE PHOSPHORUS IN COASTAL ENVIRONMENTS

C. Belias, E. Ladakis, K. Papakonstantinou, E. Dassenakis and M. Scoullos (GREECE)

SUSTAINABLE FISHERIES MANAGEMENT FOR PEARL MULLET OF LAKE VAN

M. Sari (TURKEY)

17.30 – 18.00 **Posters Session**

18.00 – 18.30 **Break and Posters Session**

18.30 – 19.00 **Posters discussion in full audience session**

19.00 - 20.15 **Session 12: Environmental education and awareness**

Chairpersons: F. X. Bogner, S. Paraskevopoulos, L. Tudela, H. D. Kambezidis

ENVIRONMENTAL EDUCATION: EMPIRICAL NUMBERS HAS TO PRESENT REAL NUMBERS
F. X. Bogner (GERMANY)

STUDYING THE LANGUAGE OF ENVIRONMENTAL TEXTS: THE CONTRIBUTION OF CRITICAL LANGUAGE AWARENESS TO ENVIRONMENTAL AWARENESS
A. G. Stamou and S. Paraskevopoulos (GREECE)

ENVIRONMENTAL AWARENESS RAISING AND THE ASSOCIATION OF LOCAL AUTHORITIES OF G. THESSALONIKI. WASTEGUIDE AWARENESS PROJECT
K. Komninos (GREECE)

NATIONAL RESEARCH REGARDING SOCIAL ATTITUDES ABOUT RENEWABLE ENERGY SOURCES
P. Kosmopoulos (GREECE)

20.15 – 21.00 **Closing Ceremony**

POSTERS SESSION

Chairpersons: A. Paya-Perez, I. Kiziroglu, Z. Kljakovic-Gaspic, A. Yediler

Natural ecosystems

- W1. THE UTILIZATION OF FUNGI AS BIOINDICATORS - THE METALLIC CONTAMINATION OF FUNGI FROM SELECTED AREA OF CZECH REPUBLIC
H Weissmannova, M. Vávrova, V. Kvetonova and F. Zeman (CZECH REPUBLIC)
- W2. ELEVATED NITROGEN DEPOSITION INTO FOREST ECOSYSTEMS IN THE VICINITY OF A HIGHWAY IN BAVARIA
M. Kirchner, G. Jakobi and E. Feicht (GERMANY)
- W3. CONCENTRATION MEASUREMENTS OF PCDD/F AND OTHER POPS IN AIR AND SPRUCE NEEDLES IN BAVARIAN FOREST AND BOHEMIAN FOREST (SUMAVA): FIRST RESULTS
M. Kirchner, B. Henkelmann, G. Jakobi, J. Kotalik, N. Fischer, K. Oxyinos, E. Feicht and K.-W. Schramm (GERMANY)
- W4. ECOLOGICAL NOTES ON BENTHIC FAUNA RELATIONS WITH MICROHABITATS, HYDRO MORPHOLOGICAL FEATURES AND PHYSICOCHEMICAL VARIABLES IN A MEDITERRANEAN RIVER SYSTEM (ALPHEIOS R., PELOPONNESSE, GREECE)
K. C. Gritzalis, A. S. Vourdoumpa and N. T. Skoulikidis (GREECE)
- W5. TOXICITY EFFECTS OF THE HERBICIDE DICAMPA (3,6- dichloro-oanisic acid) IN YEARLINGS OF THE COMMON CARP (*Cyprinus carpio*)
K. Kribisli, D. Liapis, M. Ntente, I. Kagalou, I. Leonardos and G. Pilidis (GREECE)
- W6. LEACHATE TREATMENT IN CONSTRUCTED WETLANDS
E. Konstantinidou (GREECE)
- W7. SOLID PHASE MICROEXTRACTION AS A CLEAN UP AND ENRICHMENT STEP FOR THE DETERMINATION OF CHLORINATED PESTICIDES IN BIRD LIVERS
D. Lambropoulou, I. Konstantinou and T. Albanis (GREECE)

- W8. THE USE OF CHLOROPHYLL-A FOR TROPHIC STATE ASSESSMENT OF THE WATER MASSES IN THE INNER PART OF THERMAIKOS BAY (NW AEGEAN SEA)
G. Nikolaidis, K. Moschandreou, K. Koukaras, A. Aligizaki, E. Kalopesa and A. Heracleous (GREECE)
- W9. ECOLOGICAL STUDY OF THREE COASTAL LAGOONS OF AMVRAKIKOS GULF (RAMSAR SITE, GREECE)
C. Christia and E. Papastergiadou (GREECE)
- W10. MONITORING OF KEY EUTROPHICATION PARAMETERS AT FOUR STATIONS OF KALODIKI WETLAND, WESTERN GREECE
I. Kagalou, E. Papastergiadou, P. Beza and E. Giannouris (GREECE)
- W11. ASSESSMENT OF BOTTOM SEDIMENT CONTRIBUTION TO LAGOON EUTROPHICATION
D. A. Markou, G. Gikas, K. Haralambidou, G. K. Sylaios and V. A. Tsihrintzis (GREECE)
- W12. MORPHOLOGICAL ADAPTATIONS OF A MUSSEL MYTILUS GALLOPROVINCIALIS LAM. TO A TECHNOGENIC ENVIRONMENT
V. A. Dekhta (RUSSIA)
- W13. EFFECT OF MAGNETIC FIELDS BY FREQUENCY OF 50 HZ BY INDUCTION OF 6000 MKTL ON BIOLOGICAL PROPERTIES OF CHERNOZEM ORDINARY
T. V. Denisova (RUSSIA)
- W14. EFFECT OF ACUTE GAMMA RADIATION ON BIOLOGICAL PROPERTIES OF CHERNOZEM ORDINARY
T. V. Denisova and K. S. Kazeev (RUSSIA)
- W15. MORPHOFUNCTIONAL STATE OF LIVER IN THE HAARDER MUGIL SO-IUY BASILEWSKY AT PRESENT TIME
O. A. Rudnitskaya, L. A. Bugayov and A. S. Zasyadko (RUSSIA)
- W16. INCREASE OF ADAPTIVE CAPABILITIES OF AN ORGANISM WHILE USING DELTA-SLEEP INDUCING PEPTID
T. A. Shustanova and T. I. Bondarenko (RUSSIA)
- W17. PROTEIN CONTENT IN D. MAGNA STRAUS EXPOSED TO DIAZINON: A MULTIGENERATION STUDY
M. Sánchez, E. Andreu-Moliner and M. D. Ferrando (SPAIN)
- W18. ASSESSING PROPANIL STRESS COST IN THE EUROPEAN EEL: I. LIVER ENERGY MOBILIZATION
C. Fernández-Vega, E. Sancho, E. Andreu-Moliner and M. D. Ferrando (SPAIN)
- W19. ASSESSING PROPANIL STRESS COST IN THE EUROPEAN EEL: II. LIVER METABOLIC DISORDERS
C. Fernández-Vega, E. Sancho, E. Andreu-Moliner and M. D. Ferrando (SPAIN)
- W20. CHRONIC TOXICITY OF FUNGICIDE TEBUCONAZOLE TO DAPHNIA MAGNA IN 14D AND 21D TOXICITY TEST
M. J. Villarroel, E. Sancho, E. Andreu and M. D. Ferrando (SPAIN)
- W21. BIOCHEMICAL DISTURBANCES IN DAPHNIA MAGNA EXPOSED TO FUNGICIDE TEBUCONAZOLE
E. Sancho, M. J. Villarroel, E. Andreu and M. D. Ferrando (SPAIN)
- W22. PRELIMINARY STUDY ON FEEDING ECOLOGY AND HEAVY METAL ACUMULATION AT SPECTACLED BULBUL (PYCNONOTUS XANTHOPYGOS), ANTALYA - TURKEY
A. Aslan, M. Yavuz, Y. Kaska, A. Erdoğan and I. Kiziroğlu (TURKEY)
- W23. ASSESSING THE ECOLOGICAL IMPACT ON A WETLAND ENVIRONMENT OF THE LAKE BURDUR AREA (TURKEY) USING MULTITEMPORAL SATELLITE DATA AND AUXILIARY DATA SOURCES
M. Cetin, N. Musaoglu, D. Tolunay, M. D. Kantarcı and M. Schaeppman (TURKEY – NETHERLANDS)
- W24. MONITORING COASTAL DUNES BY USING REMOTE SENSING AND GIS INTEGRATION IN NORTHWEST PART OF TURKEY: A CASE STUDY OF KILYOS DUNES

F. Bektas Balcik, A. O. Dogru, C. Goksel and N. Ulugtekin (TURKEY)

- W25. FOREST LANDS WILL CUT DOWN TO BUILD UP GOLF AREA
H. Karaardıç, A. Erdoğan and O. Yöntem (TURKEY)
- W26. THE IMPORTANCE OF TERMESSOS NATIONAL PARK (ANTALYA-TURKEY)
H. Sert and A. Erdoğan (TURKEY)
- W27. BEACH EROSION AND IST AFFECTS TO NESTING AND NON-NESTING EMERGENCE LOGGERHEAD TURTLES (CARETTA CARETTA) AT PATARA BEACH ON THE SOUTHWESTERN COAST OF TURKEY
M. Öz, A. Erdoğan, A. Aslan, H. Sert, M. Yavuz and M. R. Tunç (TURKEY)
- W28. MODELING OF POSSIBLE CHANGES AT SPECIFIC ECOSYSTEM OF FIRTINA RIVER (TRABZON, EASTERN BLACK SEA)
N. Sivri, A. Ertürk, E. Köse, C. Erüz and M. Feyzioglu (TURKEY)
- W29. ENVIRONMENTAL PROBLEMS, THREAT THE BIRDS OF PREY IN TURKEY, AND SUGGESTIONS ON SOLUTION
L. Turan (TURKEY)
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